CLAIMS

1. A vehicle brake assembly comprising:

a braking element rotatable about an axis;

a friction member including a backing plate with a brake lining attached thereto;

an actuator moving said friction member into contact with said braking element to provide a braking force such that said brake lining gradually wears away each time the braking force is generated;

a clip removably secured to said friction member; and

an electronic lining wear sensor supported by said clip generating a signal with said brake lining at a predetermined thickness.

2. The vehicle brake assembly as recited in claim 1, wherein said clip includes a first portion, a second portion and a third portion integrally formed with one another forming a U-shaped.

3. The vehicle brake assembly as recited in claim 2, wherein said second portion is formed at approximately a 90 degree angle to said first portion, and wherein said third portion is formed at less than a 90 degree angle to said second portion, such that said third portion is biased away from said first portion generating a resisting force holding said clip in place on said table.

4. The vehicle brake assembly as recited in claim 2, wherein said first portion includes a first barb for engaging said table.

5. The vehicle brake assembly as recited in claim 2, wherein said third portion includes a second barb for engaging said table.

6. The vehicle brake assembly as recited in claim 1, wherein said sensor includes a groove and said clip includes a pair of projections received in said groove.

7. The vehicle brake assembly as recited in claim 6, wherein said projections include retaining tabs providing a stop for said sensor.

8. The vehicle brake assembly as recited in claim 1, wherein said sensor comprises an electrically conducting member housed within a channel in an insulating member with said insulator received by said clip, and wherein said conducting member is secured within said channel by a pin.

9. The vehicle brake assembly as recited in claim 8, wherein said conducting member includes a linkage portion, and wherein said clip is positioned on said table with said linkage portion severed at said predetermined thickness.

10. The vehicle brake assembly as recited in claim 9, wherein said signal is sent to a vehicle electronics system with said linkage portion severed.

11. A vehicle brake assembly comprising:

a U-shaped clip;

an electronic lining wear sensor supported by said clip, said clip including a linkage portion defining a circuit; and

a vehicle electronic system electrically connected to said linkage portion generating a signal with said circuit broken.

12. The vehicle brake assembly as recited in claim 11, wherein said clip includes opposing barbs extending toward one another.

13. The vehicle brake assembly as recited in claim 11, wherein said sensor includes a groove and said clip includes a pair of projections received in said groove.

14. The vehicle brake assembly as recited in claim 13, wherein said projections include retaining tabs providing a stop for said sensor.

15. The vehicle brake assembly as recited in claim 11, wherein said sensor includes an insulating member having a channel with said linkage portion disposed within said channel, said linkage portion secured to said insulator by a pin.